

## Ultra fast charging ev

Earlier this month, Zeekr announced a significant advancement in electric vehicle (EV) technology with the introduction of its upgraded lithium iron phosphate (LFP) prismatic batteries.

These new batteries offer 5.5C ultra-fast charging, allowing vehicles to charge from 10% to 80% state of charge (SOC) in just 10-and-a-half minutes, making it the fastest charging EV battery in the world.

This breakthrough aims to address the issue of range anxiety, a common concern among EV users, by providing faster, more reliable charging options.

Zeekr is a global premium electric mobility brand under GeelyHolding Group. With R& D centres and design studios in Ningbo, Hangzhou, Gothenburg and Shanghai, Zeekr has delivered more than 300,000 vehicles since October 2021. The company plans to expand into European, Latin American and other Asian markets within five years to meet growing global EV demand.

The first model to feature the cutting-edge battery will be the 2025 Zeekr 007 sedan, which is set to be delivered to customers at the end of the month.

This model, equipped with the new LFP batteries, achieves a new charging speed record when connected to Zeekr's V3 ultra-fast charging piles. This improvement is a testament to the ongoing efforts of Zeekr's in-house e-powertrain research and development team, which has optimised materials and technology to surpass the performance of existing nickel-cobalt-manganese batteries.

The enhanced battery management system (BMS) plays a crucial role in maintaining the vehicle's charging performance. Even in harsh environmental conditions, such as temperatures as low as -10°C, the vehicle can charge from 10% to 80% SOC in just 30 minutes. This ensures that users can rely on swift and stable charging, regardless of external factors.

Zeekr has also made substantial progress in expanding its charging infrastructure. The company has already established more than 500 ultra-fast charging stations across China, featuring more than 2,700 charging piles, all of which support 800V charging.

In addition to its advancements in battery technology, Zeekr has introduced new driving assistance features including the urban Navigation Zeekr Pilot (NZP) system, which is designed to provide intelligent driving assistance on urban roads, using advanced navigation tools.

The NZP is set to begin deliveries at the end of August, offering users enhanced convenience and safety in city driving scenarios.

It is integrated with Zeekr's AI model, Eva, which acts as an in-car assistant. Eva evolves into a more intuitive driving companion, capable of anticipating situations and providing relevant suggestions to the driver. This feature is designed to enhance the overall in-car experience, making driving more comfortable and less stressful for Zeekr users.

By improving charging speeds, expanding infrastructure and introducing advanced driving assistance systems, Zeekr continues to position itself as a leading player in the global electric mobility market.

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